

Mill Test Certificate

Bri-Steel Manufacturing Inc.

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Product: Seamless Carbon Steel Pipe

Production Method: Hot Expansion

Product Heat Number:

Product Heat Treatment: As-rolled

BSM-0182

Product Size:

Production Date:

NPS 18 XS

Product Standards: ASTM/ASME A/SA106-2010 Grade B/C, A/SA53-2010 Grade B Type S, NACE MR0175-2009

Product Markings: .BRI-STEEL MFG NPS 18 XS ASTM/ASME A/SA106 GR B/C A/SA53 GR B HEAT BSM-0182 (PIPE # LENGTH MASS) NDE 1370PSI NACE MR0175 2012/01 MADE IN CANADA.

	BSM-018.	Heat		
	2 Heat	le le		
	18	NPS		
	XS	SCH		Product Detail
	23	Pieces		is
	DRL	Length		
	93.45	lb/ft	Mass	
	\$	μR/hr	Geiger	Non-Destructive Testing
	<20	Gauss	Res.Mag.	
	Pass	Insp.	Visual	
	Pass	OD		
	Pass	WT	TU	
10		ASTM E213	TU	
	Pass	ASTM E	L3	
100	Pass	309 1370 psi/5s Condition	HydroTest	
	37.5° Bevel	Condition	End	

BSM-0182	11000	Heat	01	
Heat	+	Test Type		
Refining; Vacuum Degas	הומסרו מווומכב, באוד, במטוב	Riact Eurnaca: EAE: Ladia	Steelmaking Method	
0.19	()		
0.88	IVIII	2		
0.019	٦	J		
0.008	U	า		Chemica
0.23	ŭ	:		l Analysis
0.03	c	2		(wt%)
0.14	2)		
0.02	NO			
0.05	Z	•		
0.003	<			
0.001	П	į		
0.001	ND	•		
0.0001	ш	,		
0.36	(IIW)		CE	
0.36	(CSA)		CE	

Additional Details:

results meet the corresponding requirements. Inc. in accordance with ASTM/ASME A/SA106-2010, A/SA53-2010 and the purchase order requirements, and that the We hereby certify that this pipe product was manufactured, sampled, tested and inspected by Bri-Steel Manufacturing

Service, and NACE MR0103-2010 Section 2.1. This pipe product meet the sour service requirements of NACE MR0175/ISO 15156-2:2009 Annex A2 for Region 3 Sour

🗸 No weld repairs have been performed on this product. This product has no mercury contamination.

 $\checkmark~$ This certificate represents a quality control system that is compliant with EN 10204:2004 Type 3.1.

Mill Test Certificate approved by:

2014 Mar 18

Manager of Quality and R&D Kenton Dechant, P.Eng.